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Global TPMS for Bicycles and E-bikes Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global TPMS for Bicycles and E-bikes market size was valued at US$ 108 million in 2025 and is forecast to a readjusted size of US$ 183 million by 2032 with a CAGR of 7.6% during review period.

In 2025, global TPMS for Bicycles and E-bikes production reached approximately 1,100 K units , with an average global market price of around 95 US$/unit.

TPMS (Tire Pressure Monitoring System) for Bicycles and E-bikes is a compact, user-friendly intelligent device designed to real-time monitor the air pressure (and sometimes temperature) inside bicycle and e-bike tires. It mainly consists of sensors installed inside the tires and a display unit or smartphone app connected via wireless technologies such as Bluetooth, which transmits tire pressure data to riders in real time and issues timely alerts when there is a significant pressure drop or abnormal change. This device not only enhances riding safety by preventing tire punctures and improving handling stability but also optimizes riding performance—especially for e-bikes, where proper tire pressure can significantly extend battery range, reduce tire wear, and improve overall efficiency, serving both daily commuting and recreational riding scenarios. With a small size and easy installation, it is widely applicable to various types of bicycles and e-bikes, becoming an important auxiliary safety and performance-enhancing accessory.

The demand for TPMS for Bicycles and E-bikes is driven by the growing global popularity of cycling as a sustainable commuting and recreational mode, rising rider safety awareness, and the rapid development of the e-bike industry. Key demand drivers include riders' increasing attention to riding safety and tire maintenance, the rising penetration of e-bikes (where tire pressure directly affects battery life and

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performance), and the promotion of road safety regulations in major regions such as North America, Europe, and Asia-Pacific. Business opportunities lie in four core areas: developing cost-effective, user-friendly products to address current challenges of high costs and limited consumer awareness, thereby expanding market penetration; integrating smart functions such as app connectivity, pressure calibration, and battery life monitoring to meet the demand for smart connected bike solutions; collaborating with e-bike and bicycle manufacturers for OEM matching systems to capture the original equipment market, while expanding the aftermarket for retrofitting existing vehicles; and focusing on eco-friendly design and multi-scenario adaptation (such as mountain bikes and urban commuters) to cater to segmented user needs, leveraging the growth momentum of the global cycling and e-bike industry to enhance market competitiveness.

This report is a detailed and comprehensive analysis for global TPMS for Bicycles and E-bikes market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Sensor Installation and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global TPMS for Bicycles and E-bikes market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global TPMS for Bicycles and E-bikes market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global TPMS for Bicycles and E-bikes market size and forecasts, by Sensor Installation and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global TPMS for Bicycles and E-bikes market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

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To determine the size of the total market opportunity of global and key countries
To assess the growth potential for TPMS for Bicycles and E-bikes
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace
This report profiles key players in the global TPMS for Bicycles and E-bikes market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Salutica Allied Solutions, Sensata Technologies, PIDZOOM, Schwalbe, Rideet, SRAM, etc.
This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

TPMS for Bicycles and E-bikes market is split by Sensor Installation and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Sensor Installation, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Sensor Installation

Internal Sensor Type

External Sensor Type

Market segment by Display Mode

Handlebar Display Type

Smartphone App Type

Market segment by Function

Pressure-Only Type

Pressure & Temperature Monitoring Type

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Market segment by Application

Daily Commuting

Performance Riding

Commercial and Fleet Use

Others

Major players covered

Salutica Allied Solutions

Sensata Technologies

PIDZOOM

Schwalbe

Rideet

SRAM

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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Chapter 1, to describe TPMS for Bicycles and E-bikes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of TPMS for Bicycles and E-bikes, with price, sales quantity, revenue, and global market share of TPMS for Bicycles and E-bikes from 2021 to 2026.

Chapter 3, the TPMS for Bicycles and E-bikes competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the TPMS for Bicycles and E-bikes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Sensor Installation and by Application, with sales market share and growth rate by Sensor Installation, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and TPMS for Bicycles and E-bikes market forecast, by regions, by Sensor Installation, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of TPMS for Bicycles and E-bikes.

Chapter 14 and 15, to describe TPMS for Bicycles and E-bikes sales channel, distributors, customers, research findings and conclusion.

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